

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A system comprising elements for the control from a remote location of at least one discrete measurable operational parameter of a molding fluid or fiber in a manufacturing process for manufacturing composite articles at two or more manufacturing locations comprising:

- a. at least one sensor measuring said operational parameter of the manufacturing process for a composite comprising a resin and a reinforcement;
- b. a signal generator connected to each of said at least one sensor for producing a digital signal;
- c. a transmitter for transmitting said digital signal to said remote location;
- d. a process controller provided at said remote location for processing said transmitted digital signal;
- e. process control software associated with said process controller wherein said process control software self-adjusts said operational parameter for said at least one sensor; and
- f. a transmitter for sending operational instructions from said remote location to said manufacturing locations wherein the remote site has the ability to change programming of the process controller on a real time basis.

2. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises a pressure within the manufacturing process.

3. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises the pressure of a flowable resin within the manufacturing process.

4. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises a flow rate within the manufacturing process.

5. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises the flow rate of a flowable resin within the manufacturing process.

6. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises a temperature within the manufacturing process.

7. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises the temperature of a mold within the manufacturing process.

8. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises the temperature of a flowable thermoplastic resin within the manufacturing process.

9. (Original) The system of claim 1 wherein said parameter of the manufacturing process comprises a cycle time or a cure time within the manufacturing process.

10. (Currently amended) A system comprising elements for the control from a remote location of at least one discrete measurable operational parameter of a molding fluid or fiber in a manufacturing process for manufacturing a fiber reinforced thermoset product at two or more manufacturing locations comprising:

- a. at least one sensor measuring said operational parameter of the manufacturing process for a composite comprising a thermoset resin and a reinforcement;
- b. a signal generator connected to each of said at least one sensor for producing a digital signal;
- c. a transmitter for transmitting said digital signal to said remote location;
- d. a process controller provided at said remote location for processing said transmitted digital signal;

e. process control software associated with said process controller wherein said process control software self-adjusts said operational parameter for said at least one sensor; and

f. a transmitter for sending operational instructions from said remote location to said manufacturing locations wherein the remote site has the ability to change programming of the process controller on a real time basis.

11. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises a pressure within the manufacturing process.

12. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises the pressure of a flowable resin within the manufacturing process.

13. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises a flow rate within the manufacturing process.

14. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises the flow rate of a flowable resin within the manufacturing process.

15. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises a temperature within the manufacturing process.

16. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises the temperature of a mold within the manufacturing process.

17. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises the temperature of a flowable resin within the manufacturing process.

18. (Original) The system of claim 10 wherein said parameter of the manufacturing process comprises a cure time within the manufacturing process.

19. (Currently amended) A system comprising elements for the control from a remote location of at least one discrete measurable operational parameter of a molding fluid or fiber in a

manufacturing process for reheating thermoplastic at two or more manufacturing locations comprising:

- a. at least one sensor measuring said operational parameter of the manufacturing process for a composite comprising a thermoplastic resin and a reinforcement;
- b. a signal generator connected to each of said at least one sensor for producing a digital signal;
- c. a transmitter for transmitting said digital signal to said remote location;
- d. a process controller provided at said remote location for processing said transmitted digital signal;
- e. process control software associated with said process controller wherein said process control software self-adjusts said operational parameter for said at least one sensor; and
- f. a transmitter for sending operational instructions from said remote location to said manufacturing locations wherein the remote site has the ability to change programming of the process controller on a real time basis.

20. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises a pressure within the manufacturing process.

21. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises the pressure of a flowable resin within the manufacturing process.

22. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises a flow rate within the manufacturing process.

23. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises the flow rate of a flowable resin within the manufacturing process.

24. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises a temperature within the manufacturing process.

25. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises the temperature of a mold within the manufacturing process.

26. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises the temperature of a flowable resin within the manufacturing process.

27. (Original) The system of claim 19 wherein said parameter of the manufacturing process comprises a cycle time within the manufacturing process.

28. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for manufacturing composite articles at two or more manufacturing locations according to claim 1 wherein the two or more manufacturing locations are at the same site.

29. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for manufacturing composite articles at two or more manufacturing locations according to claim 1 wherein the two or more manufacturing locations are at geographically separate sites.

30. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for manufacturing a fiber reinforced thermoset product at two or more manufacturing locations according to claim 10 wherein the two or more manufacturing locations are at the same site.

31. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for manufacturing a fiber reinforced thermoset product at two or more manufacturing locations according to claim 10 wherein the two or more manufacturing locations are at geographically separate sites.

32. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for reheating

thermoplastic at two or more manufacturing locations according to claim 19 wherein the two or more manufacturing locations are at the same site.

33. (Previously presented) A system for the control from a remote location of at least one discrete measurable operational parameter of a manufacturing process for reheating thermoplastic at two or more manufacturing locations according to claim 19 wherein the two or more manufacturing locations are at geographically separate sites.

Amendments to the Drawings:

Attached are corrected Figures 3 and 4.